



How to Use Smart Tweezers Bluetooth Utility

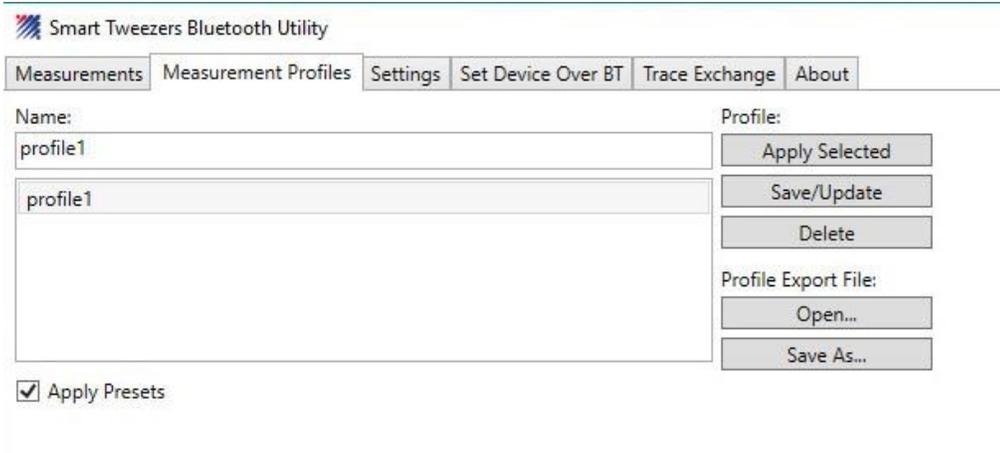
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1. Create Measurement Profile:

1.1. From Blank:

1. Go to 'Measurement Profiles' tab
2. Name File
3. Return to 'Measurements' tab, specify component type and value
4. Return to 'Measurement Profile Tab' > Save/Update to save measurement profile

For specific profile settings, such as 'Frequency', etc. refer to [section 1.3 "To Save Device Test Settings Such as 'Frequency', 'Test Signal', etc. for Measurement Profile"](#)

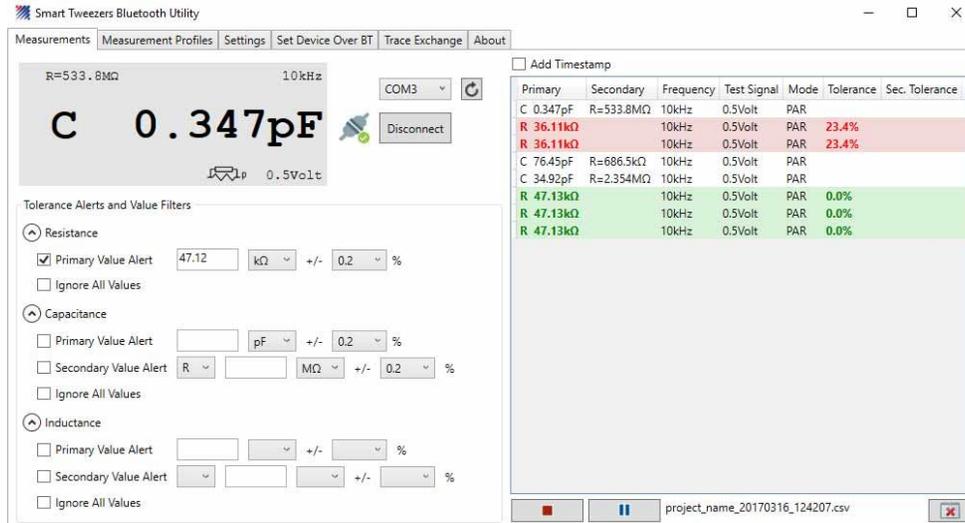


1.2. From Previous Measurement:

1. Measure component
2. Right click measurement data in the measurement history
3. Select 'set alert from selected measure'
4. Select 'Set Device Over BT' tab and enter any wanted presets
5. Select 'Measurement Profiles' tab and enter name and Save/Update

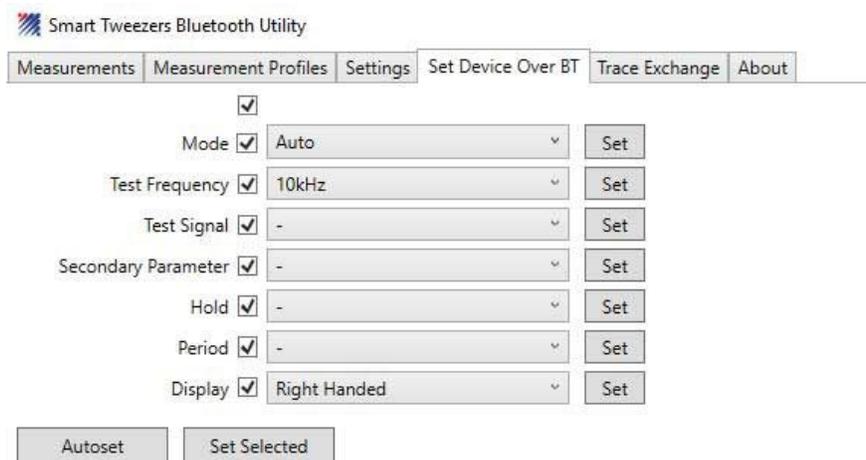
Add Timestamp

Primary	Secondary	Frequency	Test Signal	Mode	Tolerance	Sec. Tolerance
C 0.374pF	R=425.5MΩ	10kHz	0.5Volt	PAR		
R 47.14kΩ						
R 47.06kΩ						
R 47.06kΩ		10kHz	0.5Volt	PAR		
R 47.06kΩ		10kHz	0.5Volt	PAR		
R 47.00kΩ		10kHz	0.5Volt	PAR		
C 0.457pF	R=319.5MΩ	10kHz	0.5Volt	PAR		
R 47.10kΩ		10kHz	0.5Volt	PAR		
R 47.10kΩ		10kHz	0.5Volt	PAR		



1.3. To Save Device Test Settings Such as 'Frequency', 'Test Signal', etc. for Measurement Profile:

1. Select 'Settings' tab and select 'Set Device Over BT' checkbox
2. Select 'Set Over BT' tab
3. Select preferred settings from dropdowns, ie: '10kHz' from 'Frequency'
4. Select 'Measurement Profiles' tab, Save/Update



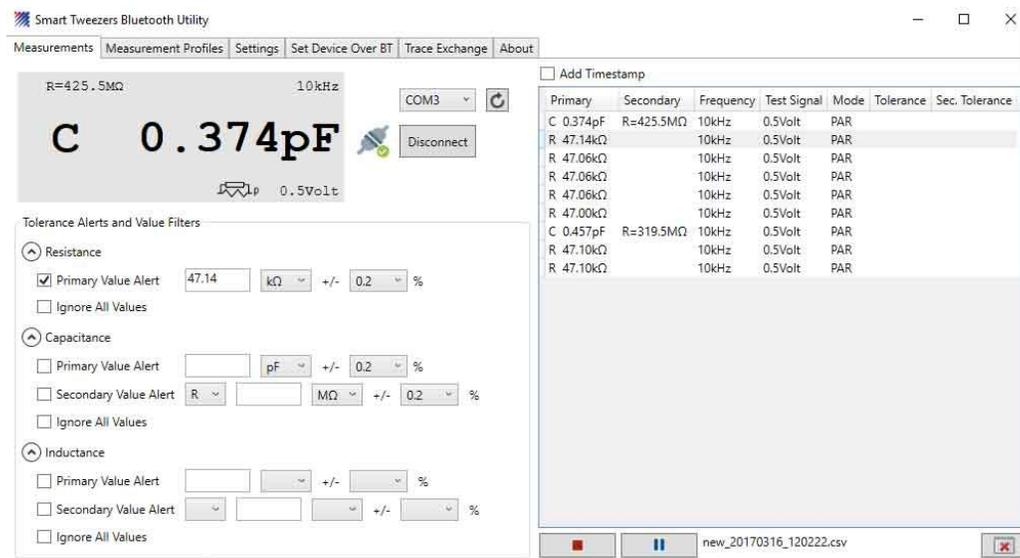
1.4. Export Preset:

1. Select 'Measurement Profiles' tab
2. Select saved profile
3. Select 'Save as...' and preferred save folder

2. Recording Measurements in .csv

1. From the 'Measurements' tab, press 'Record' button below measurement history to start or stop recording. Pause recording at anytime.
2. The .cvs file will save to the folder specified under the "settings" tab. (*defaults to Documents*)
3. Press bottom right hand corner icon to clear measurement history tape
4. Select 'Add Timestamp' to also record date and time of measurement

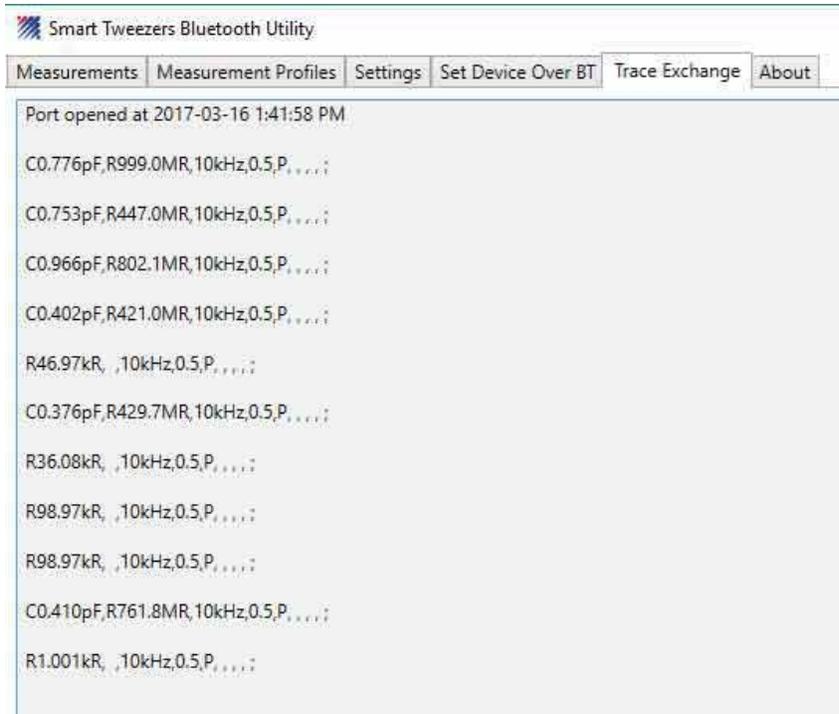
Measurement values can also be copied and pasted from measurement history



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Timestamp	Primary M	Primary V	Primary U	Secondary	Secondary	Secondary	Test Freq	Frequenc	Test Volta	Test Mode	NULL	Mod Difference	Primary P	Primary A	Primary A	Primary A	Secondary	Secondary	Secondary	Secondary
2		R	47.13 kR					10 kHz	0.5 P				0 PASS		47.12 kR		0.2				
3		R	47.13 kR					10 kHz	0.5 P				0 PASS		47.12 kR		0.2				
4		R	47.13 kR					10 kHz	0.5 P				0 PASS		47.12 kR		0.2				
5		C	34.92 pF	R		2.354 MR		10 kHz	0.5 P												
6		C	76.45 pF	R		686.5 kR		10 kHz	0.5 P												
7		R	36.11 kR					10 kHz	0.5 P				23.4 FAIL		47.12 kR		0.2				
8		R	36.11 kR					10 kHz	0.5 P				23.4 FAIL		47.12 kR		0.2				
9		C	0.347 pF	R		533.8 MR		10 kHz	0.5 P												
10																					
11																					

3. Trace Exchange

1. Checkmark 'Show Trace Exchange' under 'Settings' tab
2. 'Trace Exchange' tab appears and shows measurements in real time as comma separated string of values



4. Settings

Output Folder: Select designated folder for .csv files

File Prefix: Saves files with specified name prefix, ie: 'new_measurement_recordings....'

Alert Audio Cue: Plays tone when components do not match with measurement preset values

Set Device Over BT: Allows for measurement profile presets to be set automatically on the device over Bluetooth

Note: checkmark required for presets to take effect

Show Trace Exchange: Shows comma separated string of values under the 'Trace Exchange' tab

